Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-31 (canceled).

32. (new) A system for use in managing activity of interest within an enterprise, comprising a computer having a model for tracking objects in a scene related to the enterprise and configured to

(i) access key activity data comprising object data related to the features, locations, and activity of an object relative to other physically and visually distinct objects in a scene related to the enterprise,

(ii) receive sensor data that is taken in by a sensor of a predetermined scene related to the enterprise,

(iii) extract solely from the sensor data changes that enables separation of foreground and background objects, localization of object features, and connection of object features that should be connected,

(iv) classify the extracted objects in plurality of classes of objects of different features, shapes, and behavioral patterns,

(v) determine whether an object is new to the object data in the computer and if so initiating tracking of the object and if the object exists as object data in the computer updating a track of the object, and update the computer model in accordance with the foregoing, and

(vi) compare object data to key activity data to determine whether to generate a key activity message.

33. (new) A system as defined in claim 32, wherein the computer is configured to make a preliminary determination from the sensor data as whether to extract from the sensor data one or

more objects and the state of activity for each object with respect to the state of activity of other physically distinct objects in the sensor data, irrespective of objective compliance.

34. (new) A system as defined in claim 33, wherein in extracting from the sensor data the object and the state of activity for the object with respect to other physically distinct objects in the sensor data, irrespective of object compliance, the computer is configured to determine if the object has been previously extracted from sensor data or is being initially extracted from the sensor data.

35 (new). A system as defined in claim 34, wherein the computer is configured such that after the computer has processed the key activity data and the extracted data and determined whether to produce output that is related to the key activity, the computer is configured to receive additional sensor data taken in by the sensor of the predetermined scene related to the enterprise, extract from the additional sensor data an object and the state of activity for the object with respect to the state of activity for other physically distinct objects in the sensor data, irrespective of object compliance, and process the key activity and the extracted data from the additional sensor data and determine whether to produce output that is related to the key activity.

36 (new) A method for use in managing activity of interest within an enterprise, comprising

a. providing a computer configured to (i) access key activity data comprising data related to activity of an object relative to other physically and visually distinct objects in a predetermined scene related to the enterprise, (ii) receive sensor data that is taken in by a sensor of a scene related to the enterprise, (iii) extract solely from the sensor data an object and the state of activity for the object with respect to the state of activity for other physically and visually distinct objects in the sensor data, irrespective of object compliance, and (iv) process the key activity data and the extracted data and determine whether to produce output that is related to the key activity;

b. inputting to the computer sensor data that is taken in by a sensor of a scene related to the enterprise;
c. extracting solely from the sensor data, via the computer, an object and the state of activity for the object with respect to the state of activity for other physically and visually distinct objects in the sensor data, irrespective of object compliance; and
d. processing the key activity data and the extracted data and determine whether to produce output that is related to the key activity, and
e. storing the detected activities in a database for extraction and use in a decision support system.

36 (new) A method as defined in claim 35, wherein a preliminary determination is made, via the computer, from the sensor data as to whether to extract from the sensor data the object and the state of activity for the object with respect to the state of activity of other physically distinct objects in the sensor data, irrespective of objective compliance.

37 (new) A method as defined in claim 36, wherein in extracting from the sensor data the object and the state of activity for plurality of objects in the scene with respect to other physically distinct objects in the sensor data, irrespective of object compliance, the computer determines if the object has been previously extracted from sensor data or is being initially extracted from the sensor data.

38 (new). A method as defined in claim 37, wherein after the computer has processed the key activity data and the extracted data and determined whether to produce output that is related to the key activity, the computer (i) receives additional sensor data taken in by the sensor of the predetermined scene related to the enterprise, (ii) extracts from the additional sensor data an object and the state of activity for the object with respect to the state of activity for other physically distinct objects in the sensor data, irrespective of object compliance, (iii) processes the key activity and the extracted data from the additional sensor data and determines whether to produce output that is related to the key activity and (iv) update the already stored information of the key activity of the object.